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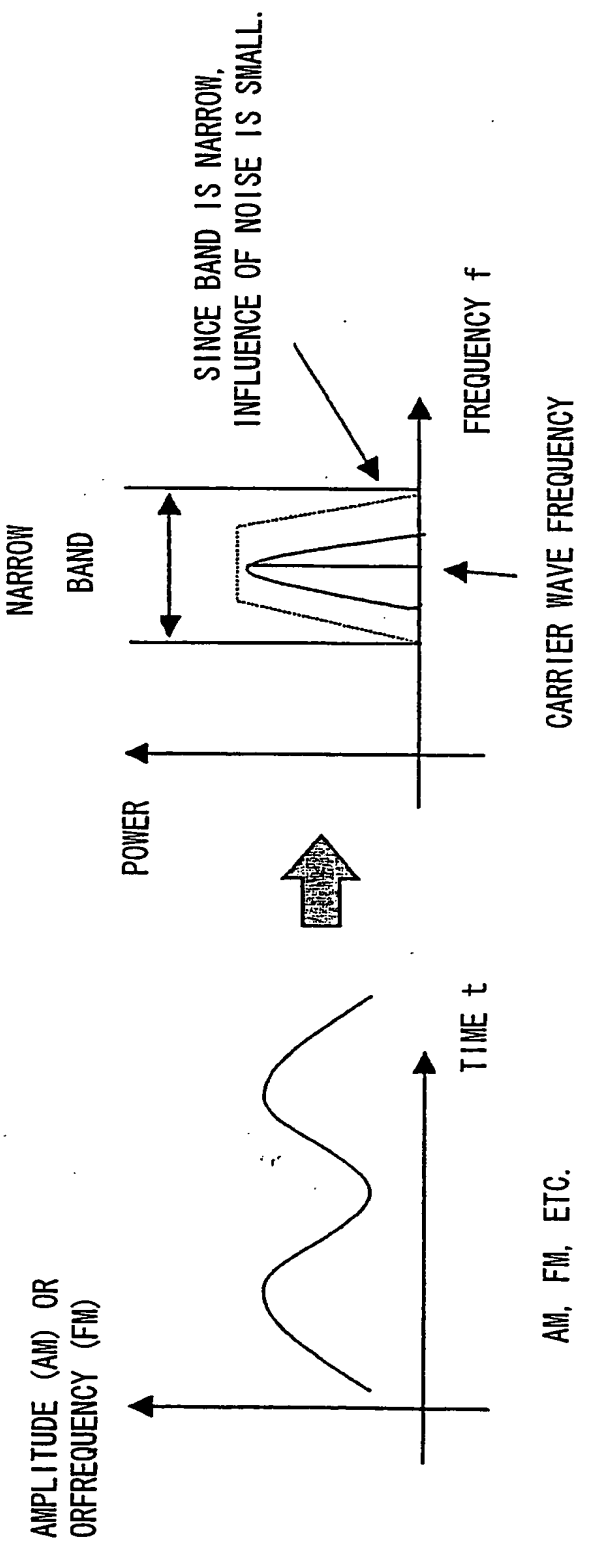


FIG. 1 (PRIOR ART)

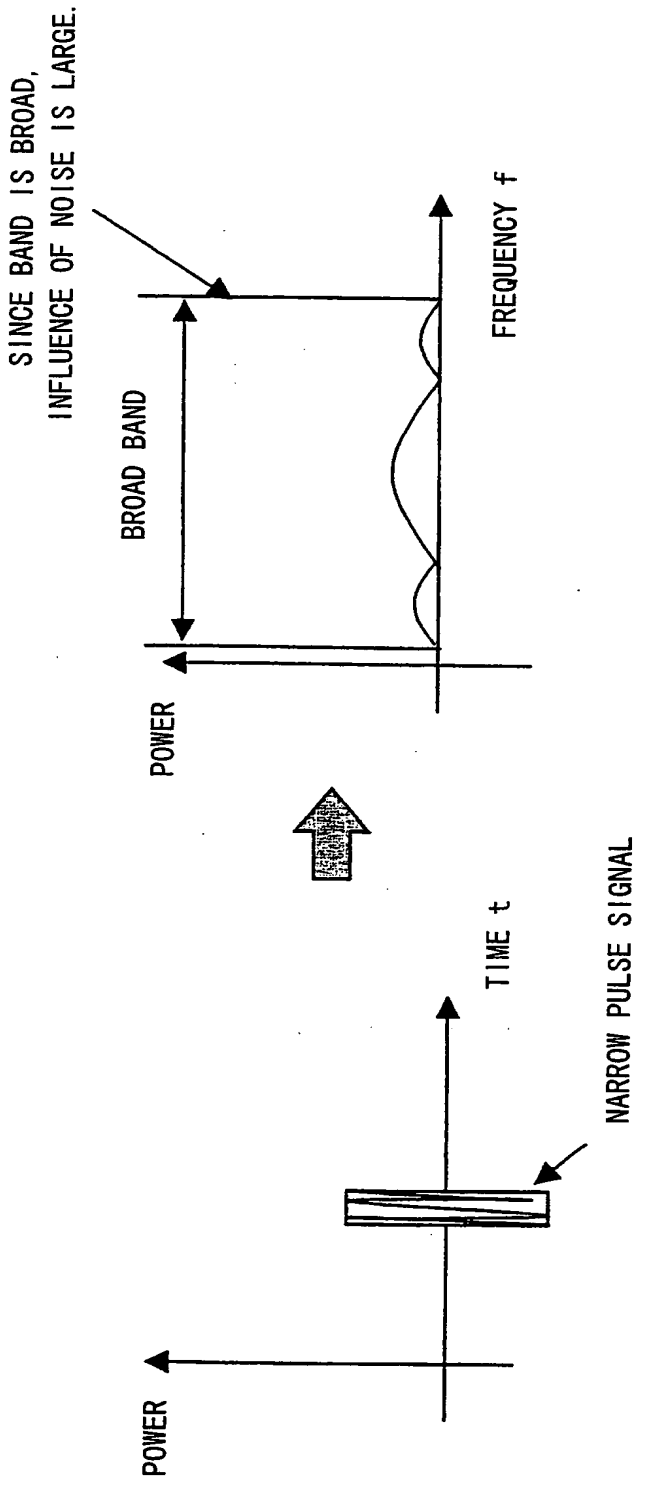


FIG. 2 (PRIOR ART)

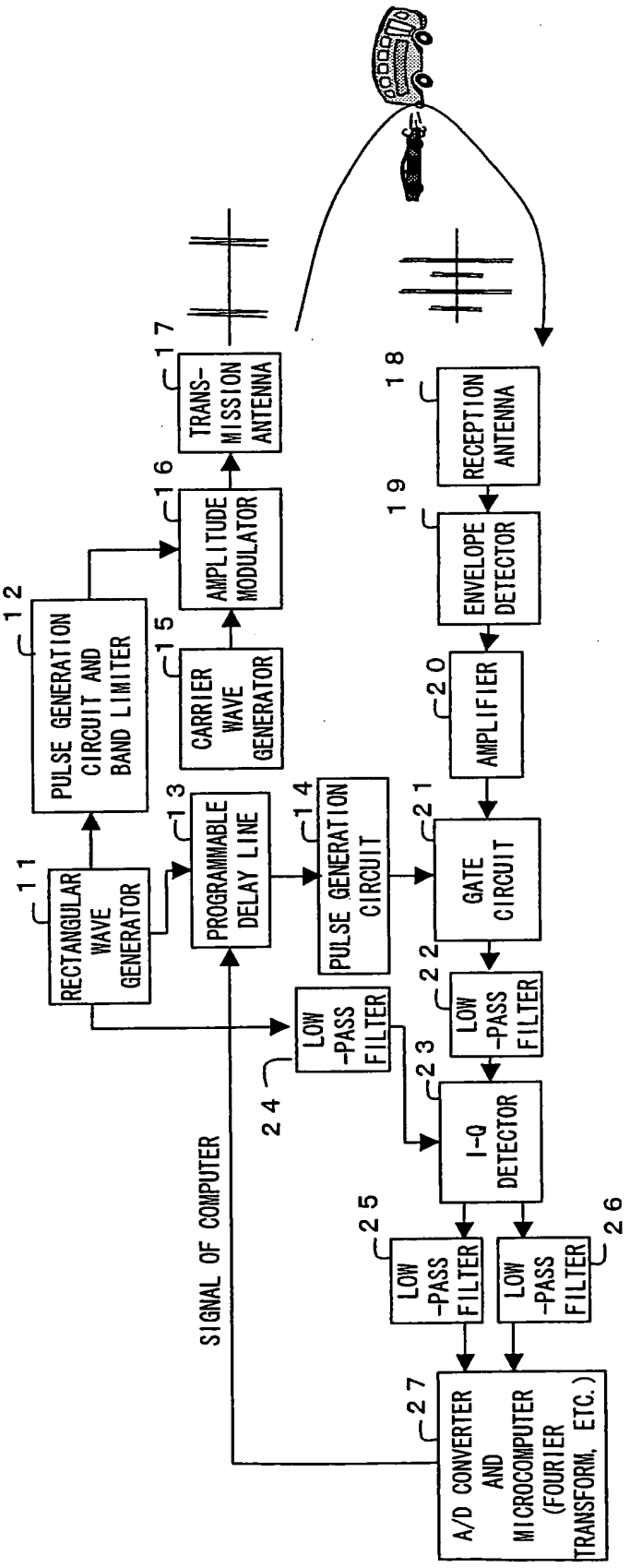
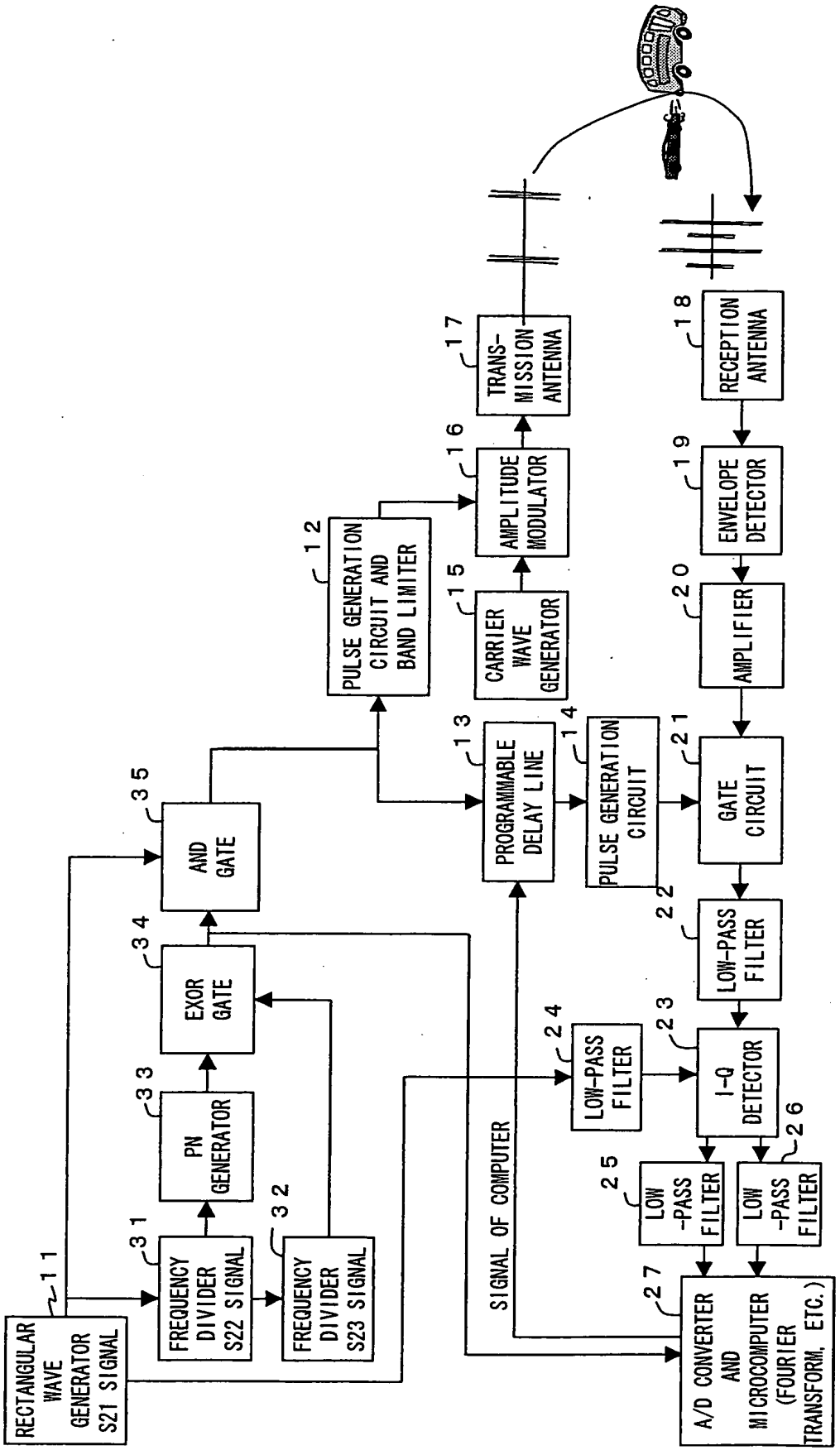

RECTANGULAR WAVE GENERATOR
11
PULSE GENERATION CIRCUIT AND BAND LIMITER
12
PROGRAMMABLE DELAY LINE
13
PULSE GENERATION CIRCUIT
14
CARRIER WAVE GENERATOR
15
AMPLITUDE MODULATOR
16
TRANS-MISSION ANTENNA
17
RECEPTION ANTENNA
18
ENVELOPE DETECTOR
19
AMPLIFIER
20
GATE CIRCUIT
21
LOW-PASS FILTER
22
LOW-PASS FILTER
24
I-Q DETECTOR
23
LOW-PASS FILTER
25
LOW-PASS FILTER
26
A/D CONVERTER AND MICROCOMPUTER (FOURIER TRANSFORM, ETC.)
27
SIGNAL OF COMPUTER

FIG. 4


RECTANGULAR WAVE GENERATOR S21 SIGNAL
11
FREQUENCY DIVIDER S22 SIGNAL
31
FREQUENCY DIVIDER S23 SIGNAL
32
PN GENERATOR
33
EXOR GATE
34
AND GATE
35
PULSE GENERATION CIRCUIT AND BAND LIMITER
12
PROGRAMMABLE DELAY LINE
13
PULSE GENERATION CIRCUIT
14
CARRIER WAVE GENERATOR
15
AMPLITUDE MODULATOR
16
TRANS-MISSION ANTENNA
17
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LOW-PASS FILTER
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LOW-PASS FILTER
26
A/D CONVERTER AND MICROCOMPUTER (FOURIER TRANSFORM, ETC.)
27
SIGNAL OF COMPUTER

FIG. 17